

I. Amendments to the Claims

This listing of claims shall replace all prior versions, and listings, of claims in the application.

1. (Currently Amended): An isolated DNA molecule consisting of a DNA sequence encoding a polypeptide with an amino acid sequence selected from the group consisting of the amino acid sequences of the polypeptides MTSP15 (SEQ. ID NO. 15), MTSP21 (SEQ. ID NO. 21), MTSP25 (SEQ. ID NO. 25), MTSP36 (SEQ. ID NO. 36), ~~MTSP43 (SEQ. ID NO. 43),~~ and MTSP47 (SEQ. ID NO. 47).
2. (Previously Presented): An isolated portion of the DNA molecule of claim 1, said portion encoding a segment of said polypeptide shorter than the full-length polypeptide, wherein said segment retains *Mycobacterium tuberculosis*-specific antigenic properties.
3. (Original): A vector comprising:
 - a. The DNA molecule of claim 1; and
 - b. Transcriptional and translational regulatory sequences operationally linked to said DNA sequence, said regulatory sequences allowing for expression of the polypeptide encoded by said DNA sequence in a cell.
4. (Original): A vector comprising:
 - a. The DNA molecule of claim 2; and
 - b. Transcriptional and translational regulatory sequences operationally linked to said DNA sequences, said regulatory sequences allowing for expression of the polypeptide encoded by said DNA sequence in a cell.
5. (Original): A cell transformed with the vector of claim 3.
6. (Original): A cell transformed with the vector of claim 4.
7. (Original): A composition comprising the vector of claim 3 and a pharmaceutically acceptable diluent or filler.
8. (Original): A composition comprising the vector of claim 4 and a pharmaceutically acceptable diluent or filler.
- 9-36. (Canceled)